



WBS 6.1: HL-LHC Pixel Upgrade

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Path to a Layout Decision (I)

- Preliminary performance plots presented at the ITk week in Valencia:
<https://indico.cern.ch/event/562672/>
- Fully Inclined versus Extended: better performance in the inner layers (L0/1) for inclined option. Comparable in the outer layers (L2/3/4).
- Layout with inclined in the inner layers and flat in the outer layers? Step 1.6 (see Simon's talk).
- Inclined in the inner layers? TRUSS/SLIM design can fit in the envelop? Or shorter flat staves with rings (a la LOI)?



Path to a Layout Decision (II)

- Layout TF to release a (short) document: performance based on step 1.6, trigger, Mechanics, etc...: recommendation: rapidity coverage, inner radius, position/location of pixel modules, etc... NOT a recommendation on a mechanical design.
- Document available on Nov 20th.
- Document presented to Reviewers on December 5th.
- Reviewers to release their “findings” on December 19th to the USC.
- UCS makes its recommendations to the ATLAS EB.